AMENDMENTS TO SPECIFICATION

Page 1, lines 5-7:

The present invention relates to mobile phones and more particularly to a method for performing arithmetic operations and engineering based on arithmetic operations ~~in~~ on a mobile phone.

Page 1, lines 10-25:

Mobile phones have become popular worldwide due to the advantages of being compact, portable, well featured, and inexpensive. People can communicate with each other in a quick and simple way irrespective of ~~the~~ their geographical locations. In view of the above, mobile phones are advantageous over conventional cable telephones. In recent years, there is a trend of being slim and multi functional with respect to the design and development of mobile phones. Hence, a mobile phone having the features of other electronic products is gaining popularity among consumers. For example, a mobile phone may have additional features of arithmetic operations such as addition, subtraction, multiplication, and division. However, a mobile phone user has to carry an additional calculator capable of performing complex engineering based arithmetic operations if such operations are needed in the user's work. In view of the above, it is quite inconvenient. Thus, it is desirable to provide a mobile phone which is capable of performing both arithmetic operations and engineering based arithmetic operations in order to overcome the above drawback of the prior art.

Page 3, line 17 to Page 5, line 5:

Referring to the accompanying drawings and in particular to FIG. 1, when a calculation mode is selected, the process for performing arithmetic operations or engineering based arithmetic operations in a microprocessor of the mobile phone 1 is detailed below. As shown in FIG. ~~2~~ 1, in step 101, ~~read out~~ arithmetic operation software and engineering based arithmetic operation software is read out from the memory of mobile phone 1 and ~~show~~ a menu 13 of the arithmetic operation and engineering based arithmetic operation software is shown on display

11 of mobile phone 1 (FIG. 2) for user's selection. In step 102, a determination is made whether a switch button 15 (e.g., volume) of the mobile phone 1 ~~is~~ has been pressed. If not, the process goes to step 103. If yes, ~~switch~~ the process switches between setting an input unit of a trigonometric function as ~~degree~~ degrees (DEG) and setting an input unit of a trigonometric function as ~~radian~~ radians (RAD) in the decimal system. For example, DEG 12 may be switched RAD 14 or vice versa (see FIGS. 2 and 3). The process returns to step 101. In step 103, a determination is made whether one of a plurality of constants (e.g., π, e, etc.) has been selected by the user by pressing a corresponding button on menu 13. If not, the process goes to step 104. If yes, ~~show the same~~ the constant is shown on display 11 (step 103'). The process returns to step 101. In step 104, a determination is made whether one of a plurality of single-operand operators (e.g., log, sin, etc.) has been selected by the user by pressing a corresponding button on menu 13. If not, the process goes to step 105. If yes, ~~perform~~ a calculation is performed on the inputted operand and the operator and ~~show~~ a result of the calculation is shown on display 11 (step 104'). The process goes to step 107. In step 105, a determination is made whether one of a plurality of double-operand operators (e.g., +, -, x, ÷, XY), etc.) is pressed. If such operator is pressed, the process goes to step 106. If not, the process returns to step 101. In step 106, a determination is made whether the selected operator is one of addition, subtraction, multiplication, and division. If yes, ~~show~~ an input interface 16 including icons ~~of~~ for addition, subtraction, multiplication, and division is shown on display 11 (step 106' and FIG. 4). ~~If yes,~~ Then, the user may input operands and an operator by pressing the corresponding buttons on a keypad of the mobile phone 1 based on the location of the operator shown in the input interface 16 (step 106"). The inputted operator is highlighted 18 on display 11. Then a calculation is performed based on the inputted operands and operator~~. Finally,~~ and a result of the calculation is shown on display 11 (also step 106"). The process goes to step 107. If ~~not~~ the selected operator is not one of addition, subtraction, multiplication, and division, a calculation is performed based on the inputted operands and operator without showing the single operand interface based on the inputted operands and operator~~. Finally~~, and a result of the calculation is shown on display 11 (step 106'''). The process also goes to step 107. In step 107, a determination is made whether a clear button (e.g., C/CE, etc. as shown in FIG. 4) 17 is pressed. If yes, ~~clear~~ the display 11 is cleared (step 107') and the

process returns to step 101. If not, the process goes to step 108. In ~~step 108~~ steps 108 and 108', a determination is made whether an escape button (e.g., NO, etc. as shown in FIG. 4) 19 is pressed. If not, the process goes to step 104. If yes, a further determination is made whether the escape button is pressed again. If yes, the process ends. If not, ~~clear~~ the display 11 is cleared and the process returns to step 101.